## (19) World Intellectual Property Organization International Bureau



### 

#### (43) International Publication Date 19 April 2001 (19.04.2001)

### **PCT**

# (10) International Publication Number WO 01/27143 A1

- (51) International Patent Classification<sup>7</sup>: C07K 7/06, 14/315, C12N 1/20, 15/31, 1/21, A61K 38/08, 38/16, 39/09, A61P 31/04
- (21) International Application Number: PCT/NZ00/00197
- (22) International Filing Date: 12 October 2000 (12.10.2000)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 500261

12 October 1999 (12.10.1999) NZ

- (71) Applicants (for all designated States except US): UNI-VERSITY OF OTAGO [NZ/NZ]; Leith Street, Dunedin (NZ). BLIS TECHNOLOGIES LIMITED [NZ/NZ]; Level 10, Otago House, 481 Moray Place, Dunedin (NZ).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TAGG, John, Robert [AU/NZ]; 39 Braeview Crescent, Dunedin (NZ). DIERKSEN, Karen, Patricia [US/US]; c/- 3450 SW Campus Way, Corvallis, OR 97331-8539 (US). UPTON, Mathew [GB/NZ]; Flat 1, 15 Peacock Street, Christchurch (NZ).

- (74) Agents: BENNETT, Michael, Roy et al.; A J Park, Huddart Parker Building, 6th Floor, 1 Post Office Square, P.O. Box 949, Wellington 6015 (NZ).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

#### Published:

With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

1/27143 A

(54) Title: LANTIBIOTIC

(57) Abstract: This invention provides an antibacterial protein, salivaricin B. Salivaricin B is bacteriocidal with respect to, *interalia*, S. pyogenes and therefore has numerous therapeutic applications. These applications include, but are not limited to, forming part of therapeutic formulations for use in treating or preventing streptococcal infections of the throat.